Express Mail #EU417949254US

Attorney Docket No. 12524

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Talbert, Sherwood G. et al.

Serial No.: 09/921,344

Art Unit:

1724

Filed:

August 2, 2001

Examiner:

Hoey, Betsey Morrison

For: THERMAL WATER TREATMENT

Assistant Commissioner for Patents Washington DC 20231

Dear Sir:

11/21/2002 TBESHAH1 00000113 09921344

01 FC:1806

180.00 OP INFORMATION DISCLOSURE STATEMENT

1. Preliminary Statement

Applicants submit herewith patents, publications, or other information, of which they are aware that they believe may be material, as defined in 37 CFR § 1.56(b), to the examination of this application, and in respect of which, there may be a duty to disclose in accordance with 37 CFR § 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR §1.56(b), the filing of this Information Disclosure Statement is not intended, pursuant to 37 CFR §1.97(h), to constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. Further, pursuant to 37 CFR §1.97(g), the filing of this Information Disclosure Statement should not be construed as a statement that a

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information disclosure statement shall not be construed as an admission against interest in any manner.

- 2. Transmitted herewith and forming a part of this Information Disclosure Statement are forms PTO/SB/08A (3 sheets) and /08B (1 sheet) on which are listed all cited items of information.
- 3. Enclosed herewith is the fee of \$180 for submission of this Information Disclosure Statement as specified in 37 CFR $\S1.17(p)$.

The person making this statement is the practitioner who signs below on the basis of the information in the practitioner's file.

Respectfully submitted,

Registration No. 30,437

Phone (614) 424-6589 Fax (614) 424-3864

Email wiesmann@battelle.org

Klaus H. Wiesmann

BATTELLE MEMORIAL INSTITUTE

505 King Avenue

Columbus, Ohio 43201-2693

November 19, 2002

Customer No. 24116

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	FORM		First Named Inventor	Talbert et al	C §	
(to be used for a	all correspondence afte	er initial filing)	Group Art Unit	1724	22	
			Examiner Name	Betsey Hoey		
Total Number of	of Pages in This Subm	ission	Attorney Docket Numbe	12524		
		ENCL	OSURES (check	all that apply)		
Fee Transmittal For	m		nent Papers Application)	After Allowance Committo Group		
Fee Attached	d	Drawing		Appeal Communication of Appeals and Interference	ences	
Amendment / Reply	<i>y</i>		ng-related Papers	Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information		
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Affidavits/de	eclaration(s)	Provisio	nal Application of Attorney, Revocation	Status Letter		
Extension of Time F	Request	Change Address	of Correspondence	Other Enclosure(s) (please identify below):		
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	SIGNATU	IRE OF APPLI	CANT, ATTORNEY, OR	AGENT		
Firm or	Klaus H. Wies	mann, Reg	. #30,437			
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Signature	Klaus	fws.	<u>~~</u>			
Date	<i>'</i>		11/19/2002			
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CERTIFICATE OF MAILING									
	pondence is being deposited with the United States Pot to: Commissioner for Patents, Washington, DC 20231		ith sufficient postage as linst dass	Exp					
Typed or printed name	Judy Readman		<u> </u>						
Signature	Judy Redman	Date	11/19/2002						

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Patent fees are subject to annual revision.		First	Named	Inver		lbert et al	<u>~ ()</u>
		Exam	iner N	ame	Be	tsey Hoey	∞ ∏
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to the above-identified deposit account.	1000	1,040	1605	1,040	Examiner		
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1. BASIC FILING FEE	1252		2252			for reply within second month	
Large Entity Small Entity Fee Fee Fee Fee Description Fee Paid	1253		2253			for reply within third month	
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1002 330 2002 165 Design filing fee	1401		2401		Notice of		
1003 510 2003 255 Plant filing fee 1004 740 2004 370 Reissue filing fee	1402		2402			ief in support of an appeal or oral hearing	
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**or number previously paid, if greater; For Reissues, see above	Kec	luced by	Basic F	iing F	ee Pald	SUBTOTAL (3) (\$)	180.00
SUBMITTED BY				7		(Complete (if applicable)	
Name (Print/Type) Klaus H. Wiesmann		Registra (Attorney)		30	,437	Telephone 614-424-	-6589

11/19/2002 Signature Claus H. WEL WW Date

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of 4

Co	omplete if Known			A
Application Number	09/921,344	$\overline{}$	á	П
Filing Date	08/02/2001	<u> </u>	~	7
First Named Inventor	Talbert et al		2	7
Group Art Unit	1724	7	29	11
Examiner Name	Betsey Hoey	$\overline{\mathbf{C}}$	20	K
Attorney Docket Number	12524	ŏ	R	厅

				U.S. PATENT DOCU	JMENTS	•						
xaminer nitials*	Cite No.1	In 1 Number Kind Code ²		Number Kind Code ²		U.S. Patent Document Name of Patentee or Applicant Date of Publication of Cited Document				Name of Patentee or Applicant Cited Document Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
STITAL	ΑT	787,909		FOX	04-25-1905							
ì	A2	1,016,959		SADTLER	02-13-1912							
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	A12	2,833,273		MILLER	05-06-1958	:						
	A13	2,846,320		WITTWER	08-05-1958							
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Initi		Cite No.1	Office ³	Foreign Patent Do	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆			
B	2004	A21	CA	1187750		McKenney	05-28-1985					
	(A22	EP	0410924		Presz	01-30-1991		1			
	I^-	A23	DE	19648652		Kempe et al	05-28-1997					
Ŀ		A24	DE.	3813288		Bauer et al	11-09-1989					
L		A25	DE	3916195		Gleich	08-02-1990					
,		A26	WŌ	90/05878		Bourke	05-31-1990	(
		A27	WO	95/29127		Dunn et al	11-02-1995					
		A28	WO	00/25887		Heyes et al	05-11-2000)				
حــا	1	A29	WO	00/58223		Wolters et al	110-05-2000	(
B	JOT.	A30	WO	01/19734		Johnson et al	03-22-2001	7				

Examiner Signature Ruthur M. Holy	Date Considered	le	5/03

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known								
Application Number	09/921,344							
Filing Date	08/02/2001	0 9						
First Named Inventor	Talbert et al							
Group Art Unit	1724							
Examiner Name	Betsey Hoey	7						
Attorney Docket Number	12524	O E						

					U.S. PATENT DOCU	JMENTS	
Examiner Initials		Cite No.1	U.S. Paten Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BY	M	B1	3,996,025		GULDEN	12-07-1976	7
		B2	4,032,311		BOHMRICH	06-28-1977	
\Box		B3	4,127,143		ZINGA	11-28-1978	
\Box		B4	4,202,406		AVERY	05-13-1980	
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		B10	4,576,222		GRANATA ET AL	03-18-1986	
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		B12	4,632,065		KALE	12-30-1986	
		B13	4,739,728		KALE	04-26-1988	
		B14	4,949,680		KALE	08-21-1990	
		B15	4,969,420		MCKEON	11-13-1990	
		B16	4,977,885		HERWEYER	12-18-1990	
		B17	5,054,437		KALE	10-08-1991	<u> </u>
		B18	5,137,053		KALE	08-11-1992	7
	/	B19	5,365,891		HANNING	11-22-1994	
B	4	B20	5,592,969		REICHERT	01-14-1997	

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Examiner Initials*	No.1	Office ³	Foreign Patent Do	cument Kind Code (if known)	Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶					
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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Sheet	i 3	of	1 4

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Examiner Name	Betsey Hoey		20
Attorney Docket Number	12524	0	25

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BMA	C1	5,776,333		PLESTER ET AL	07-07-1998	>
	C2	5,816,181		SHERMAN	10-06-1998	5
7	C.3	6,138,614		SHROPSHIRE	10-31-2000	~
7 1	C4	6,148,146		POORE ET AL	11-14-2000	5
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Birth	C6	6,275,655		RIXEN	08-14-2001	5
						

				FORE	IGN PATENT DOCUMEN	TS	•	
Examiner Cite Initials* No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant		
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet of 4

Complete if Known				
Application Number	09/921,344			
Filing Date	08/02/2001	-		
First Named Inventor	Talbert et al			
Group Art Unit	1724			
Examiner Name	Betsey Hoey			
Attorney Docket Number	12524	7		
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
SMA	D1	RUIZ, GREGORY M. et al., "Global Spread of Microorganisms by Ships", Nature, Volume 408, November 2, 2000, p. 49	
		CHRISTEN, KRIS, "The Smallest Stowaways", Environmental Science and Technology, January 1, 2001, P. 14A-15A	
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	D6		
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Examiner Signature	Betour M. Hoey	Date Considered	6/5/03	

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.



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